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- Ding, Da-Qiao. See Chikashige, Yuji.
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- Dodson, Guy D. See Tame, Jeremy R. H.
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- Dolber, P. C. See Milano, C. A.
- Donoghue, Michael J. See Sanderson, Michael J.
- Doroszynski, Alexander. See Aldhous, Peter.
- Dott, R. H., Jr. See Clifton, H. Edward.
- Dougherty, Cynthia A. See Davis, Ashley.
- Dove, William F. See Vitaterna, Martha Hotz.
- Dragic, Tatjana. See Alizon, Marc.
- Drake, Michael J. See Hillgren, Valerie J.
- Dranoff, Glenn; Crawford, Alexander D.; Sadelain, Michel; Ream, Beverly; Rashid, Asif; Bronson, Roderick T.; Dickersin, G. Richard; Bachurski, Cindy J.; Mark, Eugene L.; Whitsett, Jeffrey A.; Mulligan, Richard C.: Involvement of granulocyte-macrophage colony-stimulating factor in pulmonary homeostasis. p713 29 Apr 1994.
- Dryja, Thaddeus P. See Kajiwar, Kazuto.
- Du, Quan; Freysz, Eric; Shen, Y. Ron: Surface vibrational spectroscopic studies of hydrogen bonding and hydrophobicity. p826 6 May 1994.
- Duchesne, Marc. See Fath, Isabelle.
- Duckworth, Dale C. See Dantzig, Anne H.
- Duke, Thomas. See Vivoy, Jean-Louis.
- Dunitz, Jack D.: The entropic cost of bound water in crystals and biomolecules (perspective). p670 29 Apr 1994.
- Durley, Rosemary C. E. See Chen, Longyin.
- Düvel, Martina. See Hinrichs, Winfried.
- Dwyer, Ellen: review of *Inventing the Feible Mind*, by James W. Trent, Jr. p1015 13 May 1994.

E and F

- Easwaran, K. R. K. See Schnur, J. M.
- Eckman, Christopher. See Suzuki, Nobuhiro.
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- Ehrlich, D. See Casseday, J. H.
- Ehrlich-Kautzky, Eva. See Marsh, David G.
- Eisen, Judith S. See Postlethwait, John H.
- Eisenman, June. See Grabstein, Kenneth H.
- Eitan, Shoshana; Solomon, Arieh; Lavie, Vered; Yoles, Eti; Hirschberg, David L.; Belkin, Michael; Schwartz, Michal: Recovery of visual response of injured adult rat optic nerves treated with transglutaminase. p1764 17 June 1994.
- Elder, Melissa E. See Chan, Andrew C.
- ; Lin, Dong; Clever, Jared; Chan, Andrew C.; Hope, Thomas J.; Weiss, Arthur; Parslow, Tristram G.: Human severe combined immunodeficiency due to a defect in ZAP-70, a T cell tyrosine kinase. p1596 10 June 1994.
- Ellis, Michael A. See Schweig, Eugene S.
- Emslie, Steven D. and Morgan, Gary S.: A catastrophic death assemblage and paleoclimatic implications of Pliocene seabirds of Florida. p684 29 Apr 1994.
- Endo, Morinobu. See Sato, Kenji.
- Engelhard, Victor H. See Cox, Andrea L.
- Errington, Jeffrey. See Wu, Ling Juan.
- Erl, G. See Graham, M. D.
- Esser, Sybille. See Fabrizio, Patrizia.
- Etcheberrygaray, René; Ito, Etsuro; Kim, Christopher S.; Alkon, Daniel L.: Soluble β -amyloid induction of Alzheimer's phenotype for human fibroblast K^+ channels. p276 8 Apr 1994.
- Evans, David B. and Jamison, Dean T.: Economics and the argument for parasitic disease control (policy forum). p1866 24 June 1994.
- Eyre, H. See Nancarrow, J. K.
- Fabrizio, Patrizia; Esser, Sybille; Kastner, Berthold; Lührmann, Reinhard: Isolation of *S. cerevisiae* mRNPs: comparison of U1 and U4/U6.U5 to their human counterparts. p261 8 Apr 1994.
- Faist, Jerome; Capasso, Federico; Sivco, Deborah L.; Sirtori, Carlo; Hutchinson, Albert L.; Cho, Alfred Y.: Quantum cascade laser. p553 22 Apr 1994.
- Falk, Bryce W. See Bruening, George. See also Bruening, George.
- Falk, Per. See Borén, Thomas.
- Fallon, John F.; López, Alric; Ros, Maria A.; Savage, Mary P.; Olwin, Bradley B.; Simand, B. Kay: FGF-2: apical ectodermal ridge growth signal for chick limb development. p104 1 Apr 1994.
- Fanale, F. P. See Belton, M. J. S.
- Fanzén, Petra. See ten Dijke, Peter.
- Farrell, Kenneth R.: Agricultural research at Berkeley (letter). p1385 3 June 1994.
- Farrell, Kevin W. See Davis, Ashley.
- Farrell, Kim. See White, Kristin.
- Fastnacht, R. A. See Jin, S.
- Fath, Isabelle; Schweighoffer, Fabien; Rey, Isabelle; Multon, Marie-Christine; Boiziau, Janine; Duchesne, Marc; Tocqué, Bruno: Cloning of a Grb2 isoform with apoptotic properties. p771 13 May 1994.
- Felber, Barbara K. See Campbell, Mel.
- Fenwick, R. G., Jr. See Fu, Y.-H.
- Fernandez-Baca, J. A. See Wang, Z.-R.
- Fernandez-Vina, Marcelo A. See Tomfohrde, James.
- Ferreira, Adriana; Kosik, Kenneth S.; Greengard, Paul; Han, Hui-Quan: Aberrant neurites and synaptic vesicle protein deficiency in synapsin II-depleted neurons. p777 13 May 1994.
- Fick, Andrea. See De Togni, Pietro.

- Field, Loren J. See Soonpa, Mark H.
- Fields, Chris: review of *Biocomputing*, edited by Douglas W. Smith. p854 6 May 1994.
- Filipovich, Alexandra H. See Chan, Andrew C.
- Fillaux, F. See Kearley, G. J.
- Fischer, John E.: Fullerene polymers from solid precursors? (perspective). p1548 10 June 1994.
- Fischman, Joshua (news): Putting a new spin on the birth of human birth. p1082 20 May 1994.
- Fishman, G. J.; Bhat, P. N.; Mallozzi, R.; Horack, J. M.; Koshut, T.; Kouveliotou, C.; Penleton, G. N.; Meehan, C. A.; Wilson, R. B.; Pacesas, W. S.; Goodman, S. J.; Christian, H. J.: Discovery of intense gamma-ray flashes of atmospheric origin. p1313 27 May 1994.
- Flam, Faye (news): Competition looms for a linear collider. p1397 3 June 1994. Ecologist plans to let cyberlife run wild in internet reserve. p1085 20 May 1994. Fill 'er up—with algae. p33 1 Apr 1994. The inner sanctum of the proton. p1843 24 June 1994. Livermore physicists ask for the sun. p198 8 Apr 1994. Panel presents a vision for physics after the supercollider. p1397 3 June 1994. PCBs into pussy cats. p32 1 Apr 1994. Running rings around a supernova. p1405 3 June 1994. A scarecrow vaccine. p32 1 Apr 1994. A spider's stratagems. p33 1 Apr 1994. Taking a gamble on the top quark. p658 29 Apr 1994. Theorists have high hopes for the top. p659 29 Apr 1994.
- Fleming, R. M. See Iwasa, Y.
- Fletcherick, Robert J. See Cohen, Fred E.
- Florida, Richard: review of *Regional Advantage*, by Annalee Saxenian. p1614 10 June 1994.
- Florin, Ernst-Ludwig; Moy, Vincent T.; Gaub, Hermann E.: Adhesion forces between individual ligand-receptor pairs. p415 15 Apr 1994.
- Fogg, G. E.: review of *Before the Heroes Came*, by T. H. Baughman. p1023 13 May 1994.
- Foukal, Peter: Stellar luminosity variations and global warming. p238 8 Apr 1994.
- Fournier, Jean-Jacques. See Constant, Patricia.
- Fowler, John W.: Consciousness: in whose hands? (letter). p16 1 Apr 1994.
- Frank, Randall. See Damasio, Hanna.
- Frank, R. See Willbold, D.
- Fraser, Scott E. See Collazo, Andres.
- Freidhoff, Linda R. See Marsh, David G.
- Frey, Perry A.; Whitt, Sean A.; Tobin, John B.: A low-barrier hydrogen bond in the catalytic triad of serine proteases. p1927 24 June 1994.
- Freysz, Eric. See Du, Quan.
- Friedman, D. L. See Fu, Y.-H.
- Frohlich, Cliff: Earthquakes with non-double-couple mechanisms. p804 6 May 1994.
- Frost, Barrie J.: review of *Vision, Brain, and Behavior in Birds*, edited by H. Philip Zeigler and Hans-Joachim Bischof. p1179 20 May 1994.
- Fruh, Klaus. See Suh, Woong-Kyung.
- Fryxell, G. E. See Bunker, B. C.
- Fu, Y.-H.; Pearlman, J. A.; Pizzuti, A.; Fenwick, R. G., Jr.; Friedman, D. L.; Perryman, M. B.; Richards, S.; Gibbs, R. A.; Ashizawa, T.; Scarlato, G.; Caskey, C. T.: Muscle biochemistry and a genetic study of myotonic dystrophy (technical comment). p587 22 Apr 1994.
- Fuller, Steve: review of *Taking the Naturalistic Turn*, by Werner Callebaut. p982 13 May 1994.
- Funabiki, Hironori. See Chikashige, Yuji.
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- Furó, István: Women in science: cultural comparisons (letter). p1237 27 May 1994.
- Fütterer, Dieter. See Stein, Ruediger.

G and H

- Gabay, Joelle E.: Ubiquitous natural antibiotics (perspective). p373 15 Apr 1994.
- Gaillard, Claire and Strauss, François: Association of poly(CA)-poly(TG) DNA fragments into four-stranded complexes bound by HMG1 and 2. p433 15 Apr 1994.
- Galaburda, Albert M. See Damasio, Hanna.
- Gallagher, Richard B.; Marx, Jean; Hines, Pamela J.: Progress in parasitology (editorial). p1839 24 June 1994.
- Galletti, Pierre M.: Embargo on biomaterials (letter). p1065 20 May 1994.
- Gamaes, J.; Larsen, N. B.; Bjørholm, T.; Jørgensen, M.; Kjaer, K.; Als-Nielsen, J.; Jørgensen, J. F.; Zasadzinski, J. A.: Langmuir-Blodgett films of a functionalized molecule with cross-sectional mismatch between head and tail. p1301 27 May 1994.

- Gates, Michael. See Postlethwait, John H.
- Gaub, Hermann E. See Florin, Ernst-Ludwig.
- Gazit, Aviv. See Novogrodsky, Abraham.
- Geiser, Andrew G. See Letterio, John J.
- Geiser, Thomas. See Rajarathnam, Krishnakumar.
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- Gellert, Martin. See Adman, Elinor.
- Gent, Peter R. See Danabasoglu, Gokhan.
- Georgiev, Oleg. See Handt, Oliva.
- Georgopadakou, Nafika H. and Walsh, Thomas J.: Human mycoses: drugs and targets for emerging pathogens (perspective). p371 15 Apr 1994.
- Germann, Geoffrey J. and Rakestraw, David J.: Multiplex spectroscopy: determining the transition moments and absolute concentrations of molecular species. p1750 17 June 1994.
- Gevaert, Matthew. See Hirose, Ichiro.
- Ghiara, Jayant B.; Stura, Enrico A.; Stanfield, Robyn L.; Proby, Albert T.; Wilson, Ian A.: Crystal structure of the principal neutralization site of HIV-1. p82 1 Apr 1994.
- Ghil, Michael. See Jin, Fei-Fei.
- Ghosh, Balaram. See Marsh, David G.
- Gibbons, Ann (news): African origins theory goes nuclear. p350 15 Apr 1994. Clash with billionaire costs anthropology institute dearly. p1247 27 May 1994. Mothering marmoset. p351 15 Apr 1994. Walkers and swingers. p350 15 Apr 1994.
- Gibbs, Mark: Risks in using transgenic plants? (letter). p1650 17 June 1994.
- Gibbs, R. A. See Fu, Y.-H.
- Gierasch, P. J. See Belton, M. J. S.
- Gillen, Kenneth T. See Henderson, Craig C.
- Gillies, George T.: review of *The Rise and Fall of the Fifth Force*, by Allan Franklin. p1001 13 May 1994.
- Giraudeau, Jérôme. See Leung, Jeffrey.
- Girdler, R. W. and McConnell, D. A.: The 1990 and 1991 Sudan earthquake sequence and the extent of the East African Rift System. p67 1 Apr 1994.
- Girdler, Ronald W.: review of *Geologic Evolution of the Red Sea*, by Robert G. Coleman. p1782 17 June 1994.
- Giri, Judith G. See Grabstein, Kenneth H.
- Glanz, James (news): A dusty road for space physics. p28 1 Apr 1994. Lithium battery takes to water—and maybe the road. p1084 20 May 1994. New soil erosion model erodes farmers' patience. p1661 17 June 1994. Raising dust in the laboratory. p29 1 Apr 1994.
- Godal, Tore: Fighting the parasites of poverty: public research, private industry, and tropical diseases (policy forum). p1864 24 June 1994.
- Godfrey, Virginia L. See Moyer, Judith H.
- Goellner, Joseph. See De Togni, Pietro.
- Goga, Andrei. See Afar, Daniel E. H.
- Golde, Todd E. See Suzuki, Nobuhiko.
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- Goldstein, Alan H.: Agricultural research at Berkeley (letter). p1386 3 June 1994.
- Golumbek, Paul. See Huang, Alex Y. C.
- González-Crespo, Sergio and Levine, Michael: Related target enhancers for dorsal and NF- κ B signaling pathways. p255 8 Apr 1994.
- Good, Michael F. See Miller, Louis H.
- Goodman, Billy (news): Models aid understanding, help control parasites. p1862 24 June 1994.
- Goodman, Mark: Milk safety (letter). p889 13 May 1994.
- Goodman, S. J. See Fishman, G. J.
- Goodwin, Raymond G. See Crowe, Paul D.
- Gorelik, Gennady: review of *The Making of a Soviet Scientist*, by Roald Z. Sagdeev. p1347 27 May 1994.
- Goss, Dixie J.: review of *Translational Regulation of Gene Expression 2*, edited by Joseph Ilan. p603 22 Apr 1994.
- Goulden, Clyde E.: review of *A History of the Ecosystem Concept in Ecology*, by Frank Benjamin Golley. p726 29 Apr 1994.
- Gow, A. J. See Zielinski, G. A.
- Grabowski, Thomas. See Damasio, Hanna.
- Grabstein, Kenneth H.; Eisenman, June; Shanebeck, Kurt; Rauch, Charles; Srinivasan, Subhashini; Fung, Victor; Beas, Courtney; Richardson, Jane; Schenborn, Michael A.; Ahdieh, Minoo; Johnson, Lisabeth; Alderson, Mark R.; Watson, James D.; Anderson, Dirk M.; Giri, Judith G.: Cloning of a T cell growth factor that interacts with the β chain of the interleukin-2 receptor. p665 13 May 1994.
- Graff, G. L. See Bunker, B. C.
- Graham, M. D.; Kevrekidis, Ioannis G.; Asakura, K.; Lauterbach, J.; Krischer, K.; Rotermund, H.-H.; Ertl, G.: Effects of boundaries on pattern formation: catalytic oxidation of CO on platinum. p80 1 Apr 1994.
- Graham, Robert M. See Nakaoka, Hideaki.
- Gray, Harry B. See Grinstaff, Mark W.
- Greeley, R. See Belton, M. J. S.
- Green, David M. See Middlebrooks, John C.
- Greenberg, R. See Belton, M. J. S.
- Greengard, Paul. See Ferreira, Adriana.
- Grether, Megan E. See White, Kristin.
- Grill, Erwin. See Meyer, Knut.
- Grimm, Robert: review of *Venus*, by Peter Cattermole. p1783 17 June 1994.
- Grinstaff, Mark W.; Hill, Michael G.; Labinger, Jay A.; Gray, Harry B.: Mechanism of catalytic oxygenation of alkanes by halogenated iron porphyrins. p1311 27 May 1994.
- Grübel, Gerhard. See Weinbach, Susan P.
- Gruber, Carol S.: review of *James B. Conant*, by James G. Hershberg. p989 13 May 1994.
- Gruis, Nelleke A. See Kamb, Alexander.
- Gu, Wei. See Schneider, Jay W.
- ; Bhatia, Kishor; Magrath, Ian T.; Dang, Chi V.; Dalla-Favera, Riccardo: Binding and suppression of the Myc transcriptional activation domain by p107. p251 8 Apr 1994.
- Guerrier, Danièle. See Leung, Jeffrey.
- Gurney, Mark E.; Pu, Haifeng; Chiu, Arlene Y.; Dal Canto, Mauro C.; Polchow, Cynthia Y.; Alexander, Denise D.; Cliendo, Jan; Hentati, Afif; Kwon, Young W.; Deng, Han-Xiang; Chen, Wenjie; Zhai, Ping; Suft, Robert L.; Siddique, Teepu: Motor neuron degeneration in mice that express a human Cu,Zn superoxide dismutase mutation. p1772 17 June 1994.
- Gust, Larry D. See Messing, Rita B.
- Guthrie, William G. See Broder, Christopher C.
- Gutierrez, Andrew Paul: Agricultural research at Berkeley (letter). p1386 3 June 1994.
- Habecker, Beth A. and Landis, Story C.: Noradrenergic regulation of cholinergic differentiation. p1602 10 June 1994.
- Haddon, R. C. See Iwasa, Y.
- Hadley, T. J. See Sim, B. K. L.
- Hager, Bradford H. See Simons, Mark.
- Halachmi, Shlomit; Marden, Emily; Martin, Glover; MacKay, Heather; Abbondanza, Ciro; Brown, Myles: Estrogen receptor-associated proteins: possible mediators of hormone-induced transcription. p1455 3 June 1994.
- Hall, Alan: A biochemical function for Ras—at last (perspective). p1413 3 June 1994.
- Hall, Edwin S.: review of *Archeology of the Frobisher Voyages*, edited by William W. Fitzhugh and Jacqueline S. Olin, and *The Meta Incognita Project*, edited by Stephen Alford. p1021 13 May 1994.
- Hall, Jeffrey C.: The mating of a fly. p1702 17 June 1994.
- Hall, Nina: New borders divide up a once-strong discipline (science in Russia). p1274 27 May 1994.
- Hallstone, Ann E. and Perez, Edith A.: Blood type and the risk of gastric disease (letter). p1386 3 June 1994.
- Hamilton, Douglas P. and Burns, Joseph A.: Origin of Saturn's E ring: self-sustained, naturally. p550 22 Apr 1994.
- Hammer, William R. and Hickerson, William J.: A crested theropod dinosaur from Antarctica. p1855 6 May 1994.
- Han, Hui-Quan. See Ferreira, Adriana.
- Hancock, John F. See Stokoe, David.
- Handt, Oliva; Richards, Martin; Trommsdorff, Marion; Kilger, Christian; Simanainen, Jaana; Georgiev, Oleg; Bauer, Karin; Stone, Anne; Hedges, Robert; Schaffner, Walter; Utermann, Gerd; Sykes, Bryan; Pääbo, Svante: Molecular genetic analyses of the Tyrolean Ice Man. p1775 17 June 1994.
- Hapke, Bruce; Cassidy, William; Wells, Eddie: Vapor deposits in the lunar regolith (technical comment). p1779 17 June 1994.
- Harada, Hisashi. See Kimura, Tohru.
- Haraguchi, Tokoku. See Chikashige, Yuji.
- Harris, C. C. See Aguilar, F.
- Harris, Reuben S.; Longrich, Simonne; Rosenberg, Susan M.: Recombination in adaptive mutation. p258 8 Apr 1994.
- Harris, T. D. See Hess, H. F.
- Harshman, Keith. See Kamb, Alexander.
- Hart, W. K. See Clark, J. D.
- Hartmann, Frank. See Renner, Christoph.
- Harvey, Lewis O., Jr.: review of *Contrast Sensitivity*, edited by Robert Shapley and Dominic Man-Kit Lam. p602 22 Apr 1994.
- Harvey, Paul H. See Nee, Sean.
- Haydock, Karen: Women in science: cultural comparisons (letter). p1238 27 May 1994.
- Head, J. W. III. See Belton, M. J. S.
- Hebard, A. F. See Iwasa, Y.
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- Heffernan, C. See Belton, M. J. S.
- Heinemeyer, Jan. See Stein, Ruediger.
- Heiney, Paul A. See Maliszewskyj, Nicholas C.
- Heinz, Dion L.; Knittle, Elise; Sweeney, Jeffrey S.; Williams, Quentin; Jeanloz, Raymond: High-pressure melting of (Mg,Fe)SiO₃-perovskite (technical comment). p279 8 Apr 1994.
- Hemmi, Silvio. See Müller, Ulrike.
- Henderson, Craig C.; Rohlfing, Celeste McMichael; Gillen, Kenneth T.; Cahill, Paul A.: Synthesis, isolation, and equilibration of 1,9- and 7,8-C₇₀H₂. p397 15 Apr 1994.
- Henderson, Robert A. See Cox, Andrea L.
- Hendry, Stewart H. C. and Yoshioka, Takashi: A neurochemically distinct third channel in the macaque dorsal lateral geniculate nucleus. p575 22 Apr 1994.
- Hendy, C. H. See Denton, G. H.
- Hentati, Afif. See Gurney, Mark E.
- Herfort, Manfred. See Bazett-Jones, David P.
- Herz, Joachim. See Willnow, Thomas E.
- Hess, Benno and Mikhailov, Alexander: Self-organization in living cells (perspective). p223 8 Apr 1994.
- Hess, H. F.; Betzig, E.; Harris, T. D.; Pfeiffer, L. N.; West, K. W.: Near-field spectroscopy of the quantum constituents of a luminescent system. p1740 17 June 1994.
- Hess, Patrick: Smallpox virus: better to store? (letter). p187 8 Apr 1994.
- Hession, Catherine. See Crowe, Paul D.
- Hickerson, William J. See Hammer, William R.
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- Hill, Andrew. See Kingstom, John D.
- Hill, Michael G. See Grinstaff, Mark W.
- Hill, Robert S. See Idziak, Stefan H. J.
- Hillen, Wolfgang. See Hinrichs, Winfried.
- Hillgren, Valerie J.; Drake, Michael J.; Rubie, David C.: High-pressure and high-temperature experiments on core-mantle segregation in the accreting Earth. p1442 3 June 1994.
- Hillis, David M.: review of *The Evolutionary Biology of Viruses*, edited by Stephen S. Morse. p1008 13 May 1994.
- ; Huelsenbeck, John P.; Cunningham, Clifford W.: Application and accuracy of molecular phylogenies. p671 29 Apr 1994.
- Hinchliffe, Ian: Phonetics lesson (letter). p188 8 Apr 1994.
- Hines, Pamela J. See Gallagher, Richard B.
- Hinrichs, Winfried; Kisker, Caroline; Düvel, Martina; Müller, Alexander; Tovar, Karlheinz; Hillen, Wolfgang; Saenger, Wolfram: Structure of the Tet repressor-tetracycline complex and regulation of antibiotic resistance. p418 15 Apr 1994.
- Hiroaka, Yasushi. See Chikashige, Yuji.
- Hirose, Ichiro; Prassides, Kosmas; Mizuki, Junichiro; Tanigaki, Katsumi; Gevaert, Matthew; Lappas, Alexandros; Cockcroft, Jeremy K.: Orientational disorder of C₆₀ in Li₂C₂₀. p1294 27 May 1994.
- Hirschberg, David L. See Eitan, Shoshana.
- Ho, P. P. See Alfano, R. R.
- Hoen, S. See Rugar, D.
- Hogquist, Kristin A. See Bevan, Michael J.
- Hohenberg, C. M. See Bernatowicz, T. J.
- Holcomb, Robin T. See Moore, James G.
- Holden, Constance (news): A cautionary genetic tale: the sobering story of D₃. p1696 17 June 1994.
- Holloway, David: review of *Special Tasks*, by Pavel Sudoplatov and Anatoli Sudoplatov. p1346 27 May 1994 and *The Ghost of the Executed Engineer*, by Loren R. Graham. p446 15 Apr 1994.
- Hollstein, M. See Aguilar, F.
- Holman, K. See Nancarrow, J. K.
- Holmes, Bob (news): Biologists sort the lessons of fisheries collapse. p1252 27 May 1994.
- Hooper, Scott L.: review of *The Neurobiology of Neural Networks*, edited by Daniel Gardner. p117 1 Apr 1994.
- Hoppe, Thomas J. See Elder, Melissa E.
- Hopwood, Jeremy D. See Walsh, Dominic.
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- Hoskins, JoAnn. See Dantzig, Anne H.
- Hovanessian, Ara G. See Callebaut, Christian.
- Huang, Alex Y. C.; Golumbek, Paul; Ahmadzadeh, Mojgan; Jaffee, Elizabeth; Pardoll, Drew; Levitsky, Hyam: Role of bone marrow-derived cells in presenting MHC class I-restricted tumor antigens. p961 13 May 1994.

Huang, Ziwei. See Cohen, Fred E.
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 Hulet, E. Kenneth: Element naming (letter). p491 22 Apr 1994.
 Hull, Roger: Risks in using transgenic plants? (letter). p1649 17 June 1994.
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 Inside AAAS: AAAS annual election: preliminary announcement. p1964 24 June 1994. All aboard for kids' radio. p1353 27 May 1994. Directorate head named to NSB. p730 29 Apr 1994. Human rights and life sciences. p730 29 Apr 1994. Infinite permutations. p1353 27 May 1994. Making math and science work for Hispanic youths. p730 29 Apr 1994. Panel to seek Science editor. p1353 27 May 1994. Planning begins for 150th anniversary. p1962 24 June 1994. Report on 1994 Council meeting. p731 29 Apr 1994. Scientific SWARM in the Southwest. p1963 24 June 1994. Stamp of distinction. p1962 24 June 1994.
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 Iwasa, Y.; Arima, T.; Fleming, R. M.; Siegrist, T.; Zhou, O.; Haddon, R. C.; Rothberg, L. J.; Lyons, K. B.; Carter, H. L., Jr.; Hebard, A. F.; Tycko, R.; Dabaghi, G.; Krajewski, J. J.; Thomas, G. A.; Yagi, T.: New phases of C_{60} synthesized at high pressure. p1570 10 June 1994.
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 Jayaraman, A.: review of *The New Alchemists*, by Robert M. Hazen. p728 29 Apr 1994.
 Jayawardhana, Ray (news): Big science in a developing country. p501 22 Apr 1994. A dark matter recipe is tested-and found wanting. p1845 24 June 1994. The Keck scopes out the legacy of the Big Bang. p346 15 Apr 1994. Keeping tabs on cometary breakups. p907 13 May 1994. Red galaxies hint at an old universe. p906 13 May 1994. A supergiant dies in the whirlpool. p345 15 Apr 1994.
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 Jiang, Y.; Yentekakis, I. V.; Vayenas, C. G.: Methane to ethylene with 85 percent yield in a gas recycle electrocatalytic reactor-separator. p1563 10 June 1994.
 Jin, Fei-Fei; Neelin, J. David; Ghil, Michael: El Niño on the devil's staircase: annual subharmonic steps to chaos. p70 1 Apr 1994.
 Jin, S.; Tiesel, T. H.; McCormack, M.; Fastnacht, R. A.; Ramesh, R.; Chen, L. H.: Thousandfold change in resistivity in magnetoresistive La-Ca-Mn-O films. p413 15 Apr 1994.
 John, R. Bowen: review of *Malines Worlds*, by Fredrik Barth. p1018 13 May 1994.

Johnson, Bruce E. See Kamb, Alexander.
 Johnson, Lisabeth. See Grabstein, Kenneth H.
 Johnson, Michele. See Postlethwait, John H.
 Johnson, Stephen L. See Postlethwait, John H.
 Johnson, T. D. See Milano, C. A.
 Johnson, T. V. See Belton, M. J. S.
 Johnston, Arch C. See Powell, Christine A.
 Johnston, D. C. See Wang, Z.-R.
 Jones, Kathleen W.: review of *Children in Time and Place*, edited by Glen H. Elder, Jr., John Modell, and Ross D. Parke. p1013 13 May 1994.
 Jørgensen, J. F. See Garnaes, J.
 Jørgensen, M. See Garnaes, J.
 Josefowicz, Jack Y. See Maliszewskij, Nicholas C.
 Jung, Wolfram. See Renner, Christoph.
 Jyothi, G. See Schnur, J. M.
 Kadlecsek, Theresa A. See Chan, Andrew C.
 Kahn, Patricia (news): Zebrafish hit the big time. p904 13 May 1994.
 Kajiwaru, Kazuto; Berson, Eliot L.; Dryja, Thaddeus P.: Digenic retinitis pigmentosa due to mutations at the unlinked peripherin/RDS and ROM1 loci. p1604 10 June 1994.
 Kamb, Alexander; Gruis, Nelleke A.; Weaver-Feldhaus, Jane; Liu, Qingyun; Harshman, Keith; Tavtigian, Sean V.; Stockert, Elisabeth; Day, Rufus S., III; Johnson, Bruce E.; Skolnick, Mark H.: A cell cycle regulator potentially involved in genesis of many tumor types. p436 15 Apr 1994.
 Kamijo, Ryutaro. See Kimura, Tohru.
 Karr, Robert. See De Togni, Pietro.
 Kasibhatla, P. S. See Chameides, W. L.
 Kastner, Berthold. See Fabrizio, Patrizia.
 Katz, Jonathan: Space science crunch (letter). p186 8 Apr 1994.
 Kay, Cyril M. See Rajarathnam, Krishnakumar.
 Kearley, G. J.; Fillard, F.; Baron, M.-H.; Bennington, S.; Tomkinson, J.: A new look at proton transfer dynamics along the hydrogen bonds in amides and peptides. p1285 27 May 1994.
 Keener, James P. See Agladze, Konstantin.
 Keens, Thomas G. and Ward, Sally L.: SIDS research (letter). p1065 20 May 1994.
 Keldin, Carl-Henrik. See ten Dijke, Peter.
 Keller, Gerta: K-T boundary issues (letter). p641 29 Apr 1994.
 Keller, Lindsay P. and McKay, David S.: Vapor deposits in the lunar regolith (technical comment). p1780 17 June 1994.
 Kelner, Katrina and Benditt, John: Genes and behavior. p1685 17 June 1994.
 Kendrick, R. D. See Rugar, D.
 Kerr, Ian M. See Darnell, James E. Jr.
 Kerr, J. B. and McElroy, C. T.: Analyzing ultraviolet-B radiation: is there a trend? (technical comment). p1342 27 May 1994.
 Kerr, Richard A. (news): An asteroidal family adds a little one. p351 1 Apr 1994. Atmospheric scientists puzzle over high-altitude flashes. p1250 27 May 1994. Bolivian quake deepens a mystery. p1659 17 June 1994. Clementine mines its first nuggets on the moon. p1666 17 June 1994. Finally getting the big picture of Earth's magnetosphere? p1531 10 June 1994. A flock of prospects for low-cost missions. p1245 27 May 1994. A planetary first: Magellan is marked for termination. p1666 17 June 1994. Scaling down planetary science. p1244 27 May 1994. A shade of difference separates Ida and its satellites. p1667 17 June 1994. Throttling back the great lava floods? p662 29 Apr 1994. Volcanoes with bad hearts are tumbling down all over. p660 29 Apr 1994. (science in Russia): Contacts with the West bring cultural revolution p1277 27 May 1994. (letter): K-T boundary issues (letter). p642 29 Apr 1994.
 Kevrekidis, Ioannis G. See Graham, M. D.
 Kihlstrom, John F.: review of *An Essay on the Cognitive Unconscious*, by Arthur S. Reber. p1013 13 May 1994.
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 Kimura, Tohru; Nakayama, Katsutoshi; Penninger, Josef; Kitagawa, Motoo; Harada, Hisashi; Matsuyama, Toshifumi; Tanaka, Nobuyuki; Kamijo, Ryutaro; Vilček, Jan; Mak, Tak W.; Taniguchi, Tadatsugu: Involvement of the IRF-1 transcription factor in antiviral responses to interferons. p1921 24 June 1994.
 King, David P. See Vitaterna, Martha Hotz.
 Kingman, Sharon (frontiers in biotechnology): Resistance a European problem, too. p363 15 Apr 1994.

Kingston, John D.; Marino, Bruno D.; Hill, Andrew: Isotopic evidence for neogene hominid paleoenvironments in the Kenya Rift Valley. p955 13 May 1994.
 Kirkpatrick, Scott and Selman, Bart: Critical behavior in the satisfiability of random Boolean expressions. p1297 27 May 1994.
 Kisker, Caroline. See Hinrichs, Winfried.
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 Knoers, Nine V. A. M. See Deen, Peter M. T.
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 Kolberg, Rebecca (news): Finding 'sustainable' ways to prevent parasitic diseases. p1859 24 June 1994. Taking the human factor into account. p1860 24 June 1994.
 Kopf, Manfred. See Ramsay, Alistair J.
 Koppes, Clayton R.: review of *Selling Radio*, by Susan Smulyan. p996 13 May 1994.
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 Koshland, Daniel E., Jr. (editorials): The biological warfare of the future. p327 15 Apr 1994. The case for diversity. p639 29 Apr 1994. A milk-free zone. p11 1 Apr 1994. Research in the service of jobs and health. p887 13 May 1994. A simple proposal for health care rationing. p1515 10 June 1994. (letter): Livermore lab head. p489 22 Apr 1994. See Norman, Colin.
 Koshut, T. See Fishman, G. J.
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 Kreevov, Maurice M. See Cleland, W. W.
 Kremer, E. See Nancarrow, J. K.
 Krezel, Andrzej M.; Wagner, Gerhard; Seymour-Ulmer, Jana; Lazarus, Robert A.: Structure of the RGD protein decorin: conserved motif and distinct function in leech proteins that affect blood clotting. p1944 24 June 1994.
 Krischer, K. See Graham, M. D.
 Krishnaswamy, Guha. See Marsh, David G.
 Krueess, Andreas and Tschamtkte, Teja: Habitat fragmentation, species loss, and biological control. p1581 10 June 1994.
 Krust, Bernard. See Callebaut, Christian.
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 Laiho, Marikki. See ten Dijke, Peter.
 Landis, Story C. See Habecker, Beth A.
 Lane, Diana: Inappropriate analogy (letter). p757 6 May 1994.
 Langan, Patrick A.: Between prison and probation: intermediate sanctions (policy forum). p791 6 May 1994.
 Lao, Kaiqin. See Steffen, Martin A.
 Lappas, Alexandros. See Hiroswa, Ichiro.
 Larsen, H. C.; Saunders, A. D.; Clift, P. D.; Beget, J.; Wei, W.; Spezzaferri, S.; ODP Leg 152 Scientific Party: Seven million years of glaciation in Greenland. p952 13 May 1994.
 Larsen, N. B. See Garnaes, J.
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- Leckband, Deborah. See Chiruvolu, Shivkumar.
- LeDuc, James W. See Berkelman, Ruth L.
- Lee, Irene N. W. See Brummel, Christopher L.
- Lee-Tischler, Monica J. See Moyer, Judith H.
- Lefebvre, Suzie. See Melki, Judith. See also Milano, C. A.
- Legrand, Jean-François. See Weinbach, Susan P.
- Leiserowitz, Leslie. See Weinbach, Susan P.
- Lelieveld, Jos and Crutzen, Paul J.: Role of deep cloud convection in the ozone budget of the troposphere. p1759 17 June 1994.
- Lennie, Peter: review of *A Vision of the Brain*, by Semir Zeki. p1011 13 May 1994.
- Leonowicz, Michael E.; Lawton, Jeffrey A.; Lawton, Stephen L.; Rubin, Mae K.: MCM-22: a molecular sieve with two independent multidimensional channel systems. p1910 24 June 1994.
- Lerner, Richard A. See Li, Tingyu.
- Lerttorrier, John J.; Geiser, Andrew G.; Kulkarni, Ashok B.; Roche, Nanette S.; Sporn, Michael B.; Roberts, Anita B.: Maternal rescue of transforming growth factor- β 1 null mice. p1936 24 June 1994.
- Leube, Martin P. See Meyer, Knut.
- Leung, Jeffrey; Bouvier-Durand, Michelle; Morris, Peter-Christian; Guerrier, Danièle; Chefod, Françoise; Giraudat, Jérôme: Arabidopsis ABA response gene AB11: features of a calcium-modulated protein phosphatase. p1448 3 June 1994.
- Levine, Michael. See González-Crespo, Sergio.
- Levitsky, Hyam. See Huang, Alex Y. C.
- Levitzki, Alexander. See Novogrodsky, Abraham.
- Levy, H., II. See Chameides, W. L.
- Li, Guang and McGown, Linda B.: Molecular nanotube aggregates of β - and γ -cyclodextrins linked by diphenylhexatrienes. p249 8 Apr 1994.
- Li, Tingyu; Janda, Kim D.; Ashley, Jon A.; Lerner, Richard A.: Antibody catalyzed cationic cyclization. p1289 27 May 1994.
- Li, Wu; Dahn, J. R.; Wainwright, D. S.: Rechargeable lithium batteries with aqueous electrolytes. p1115 20 May 1994.
- Liang, Keng S. See Idzaki, Stefan H. J.
- Liang, X. See Alfano, R. R.
- Lillegraven, Jason A.: review of Messel, edited by Stephan Schaal and Willi Ziegler. p1004 13 May 1994.
- Lin, Dong. See Elder, Melissa E.
- Lin, Victor S.-Y.; DiMaggio, Stephen G.; Therien, Michael J.: Highly conjugated, acetylenyl bridged porphyrins: new models for light-harvesting antenna systems. p1105 20 May 1994.
- Liu, J. See Bunker, B. C.
- Liu, Mian: Asymmetric phase effects and mantle convection patterns. p1904 24 June 1994.
- Liu, Qingyun. See Kamb, Alexander.
- Livingston, Katherine: review of *Einstein Lived Here*, by Abraham Pais. p1617 10 June 1994.
- Lois, Carlos and Alvarez-Buylla, Arturo: Long-distance neuronal migration in the adult mammalian brain. p1145 20 May 1994.
- Lombardi, Giovanna; Sidhu, Sid; Batchelor, Richard; Lechler, Robert: Anergic T cells as suppressor cells in vitro. p1587 10 June 1994.
- Longerich, Simonne. See Harris, Reuben S.
- Loo, Stephen and Rine, Jasper: Silencers and domains of generalized repression. p1768 17 June 1994.
- López, Alric. See Fallon, John F.
- Lopez, Gabriel P. See Singhvi, Rahul.
- Lory, Detra. See Tomfohrde, James.
- Lowman, Paul D. Jr.: review of *The Geology of Multi-Ring Impact Basins*, by Paul D. Spudis. p1180 20 May 1994.
- Lowrey, Philip L. See Vitaterna, Martha Hotz.
- Lührmann, Reinhard. See Fabrizio, Patrizia.
- Lundelius, Ernest L., Jr.: review of *Morphological Changes in Quaternary Mammals of North America*, edited by Robert A. Martin and Anthony D. Barnosky. p1953 24 June 1994.
- Lyo, In-Whan. See Avouris, Phaedon.
- Lyons, K. B. See Iwasa, Y.
- M
- Mabee, Paula M. See Collazo, Andres.
- Macdonald, Susan G. See Stokoe, David.
- MacKay, Heather. See Halachmi, Shlomit.
- Mackensen, Daniel. See Dantzig, Anne H.
- MacLeod, Norman: K-T boundary issues (letter). p641 29 Apr 1994.
- Magrath, Ian T. See Gu, Wei.
- Mahdavi, Vijay. See Schneider, Jay W.
- Mahley, R. W. See Nathan, B. P.
- Mak, Tak W. See Kimura, Tohru.
- Maliszewski, Nicholas C.; Heiney, Paul A.; Josefowicz, Jack Y.; McCauley, John P., Jr.; Smith, Amos B., III: Unexpected square symmetry seen by atomic force microscopy in bilayer films of disk-like molecules. p77 1 Apr 1994.
- Mallozzi, R. See Fishman, G. J.
- Mann, Charles C. (news): Behavior genetics and transition. p1686 17 June 1994. (letter): Fire ant control. p1653 17 June 1994.
- Mann, Stephen. See Walsh, Dominic.
- Marden, Emily. See Halachmi, Shlomit.
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- Mariathasan, Sanjeev. See De Togni, Pietro.
- Marino, Bruno D. See Kingston, John D.
- Mark, Eugene L. See Dranoff, Glenn.
- Marotzke, Jochem. See Neelink, J. David.
- Marsh, David G.; Neely, John D.; Breazeale, Daniel R.; Ghosh, Balaram; Freidhoff, Linda R.; Ehrlich-Kautzky, Eva; Schou, Carsten; Krishnaswamy, Guha; Beaty, Terri H.: Linkage analysis of IL4 and other chromosome 5q31.1 markers and total serum immunoglobulin E concentrations. p1152 20 May 1994.
- Marshack, Alexander: Ice Age "Venuses" (letter). p329 15 Apr 1994.
- Marshall, Eliot (news): Anxiety hits mental health institute. p764 6 May 1994. Delayed reaction. p1526 10 June 1994. Drug trial deaths deemed unavoidable. p1530 10 June 1994. Highs and lows on the research roller coaster. p1693 17 June 1994. NIMH grantees already feel the shock. p765 6 May 1994. Rising yen threatens key cancer study. p338 15 Apr 1994. Strong medicine for NIH. p896 13 May 1994. Tamoxifen: hanging in the balance. p1524 10 June 1994.
- Martin, Glover. See Halachmi, Shlomit.
- Marx, Jean (news): p16 gene's role as tumor suppressor is challenged. p1846 24 June 1994. Mouse model found for ALS. p1663 17 June 1994. New tumor suppressor may rival p53. p344 15 Apr 1994. See also Chin, Gilbert J. See also Gallagher, Richard B.
- Mashiko, Shinro. See Chikashige, Yuji.
- Maslov, Dmitri A. See Simpson, Larry.
- Masterson, Jane: Stomatal size in fossil plants: evidence for polyploidy in majority of angiosperms. p421 15 Apr 1994.
- Mathews, Rolf W. and Clague, John J.: Detection of large prehistoric earthquakes in the Pacific Northwest by microfossil analysis. p688 29 Apr 1994.
- Mathews, F. Scott. See Chen, Longyin.
- Mathis, John: review of *Dust and Chemistry in Astronomy*, edited by T. J. Millar and D. A. Williams. p1181 20 May 1994.
- Matsuyama, Toshifumi. See Kimura, Tohru.
- Matthaei, Klaus I. See Ramsay, Alistair J.
- Maurette, M. See Bernatowicz, T. J.
- Maxfield, Frederick R. See Mayor, Satyajit.
- Mayewski, P. A. See Zielinski, G. A.
- Mayor, Satyajit; Rothberg, Karen G.; Maxfield, Frederick R.: Sequestration of GPI-anchored proteins in caveolae triggered by cross-linking. p1498 24 June 1994.
- Mayr, Ernst: Coeliorhynchus: not a mammal (letter). p1519 10 June 1994.
- McCauley, John P., Jr. See Maliszewski, Nicholas C.
- McConnell, D. A. See Girdler, R. W.
- McCormack, M. See Jin, S.
- McDonald, J. David. See Vitaterna, Martha Hotz.
- McElroy, C. T. See Kerr, J. B.
- McEwen, A. C. See Belton, M. J. S.
- McGown, Linda B. See Li, Guang.
- McGuffin, Peter. See Plomin, Robert.
- McKay, David S. See Keller, Lindsay P.
- McKnight, Aine. See Patience, Clive.
- McLaughlin, Jami. See Afar, Daniel E. H.
- McMinn, T. R. See Milano, C. A.
- McVay, G. L. See Bunker, B. C.
- McWilliams, James C.; Weiss, Jeffrey B.; Yavneh, Irad: Anisotropy and coherent vortex structures in planetary turbulence. p410 15 Apr 1994. See Danabasoglu, Gokhan.
- Meade, Charles; Reffner, John A.; Ito, Eiji: Synchrotron infrared absorbance measurements of hydrogen in Mg-SiO₂ perovskite. p1558 10 June 1994.
- Meegan, C. A. See Fishman, G. J.
- Meeker, L. D. See Zielinski, G. A.
- Meeze, D. A. See Zielinski, G. A.
- Megaw, W. J.: Women in science: cultural comparisons (letter). p1237 27 May 1994.
- Melki, Judith; Lefebvre, Suzie; Burglen, Lydie; Burlet, Philippe; Clermont, Olivier; Millasseau, Philippe; Reboullet, Sophie; Bénichou, Bernard; Zeviani, Massimo; Le Paslier, Denis; Cohen, Daniel; Weissenbach, Jean; Munnich, Arnold: De novo and inherited deletions of the 5q13 region in spinal muscular atrophies. p1474 3 June 1994.
- Mellon, Margaret and Rissler, Jane: Viral recombination in transgenic plants (letter). p489 22 Apr 1994.
- Melrose, Donald B.: review of *Physics of the Pulsar Magnetosphere*, by V. S. Beskin, A. V. Gurevich, and Ya. N. Istomin. p853 6 May 1994.
- Menely, Philip M. See Parkhurst, Susan M.
- Menter, Alan. See Tomfohrde, James.
- Mercy, James A.: Proposed NSF violence center (letter). p490 22 Apr 1994.
- Mervis, Jeffrey (news): Dr. Alberts comes to Washington. p496 22 Apr 1994. House trims NSF funding plan. p899 13 May 1994. Making public schools the place to be. p497 22 Apr 1994. Memo backs basic research with words, not cash. p1395 3 June 1994. NSF eyes new South Pole station. p1836 24 June 1994. NSF to emphasize teaching in early career awards. p1075 20 May 1994.
- Messing, Rita B.; Gust, Larry D.; Petersen, Deborah W.: Carcinogenicity of chloroform (letter). p1518 10 June 1994.
- Meyer, Knut; Leube, Martin P.; Grill, Erwin: A protein phosphatase 2C involved in ABA signal transduction in *Arabidopsis thaliana*. p1452 3 June 1994.
- Michaels, Patrick J.; Singer, S. Fred; Knappenberger, Paul C.: Analyzing ultraviolet-B radiation: is there a trend? (technical comment). p1341 27 May 1994.
- Michalowski, Piotr: review of *Archaic Bookkeeping*, by Hans J. Nissen, Peter Damerow, and Robert K. Englund. p1019 13 May 1994.
- Middlebrooks, John C.; Clock, Ann E.; Xu, Li; Green, David M.: A panoramic code for sound location by cortical neurons. p842 6 May 1994.
- Midson, Clare N. See Postlethwait, John H.
- Mikhailov, Alexander. See Hess, Benno.
- Mikulski, Barbara (news): The hand on your purse strings. p192 8 Apr 1994. (policy forum): Science in the national interest. p221 8 Apr 1994.
- Milano, C. A.; Allen, L. F.; Rockman, H. A.; Dolber, P. C.; McMinn, T. R.; Chien, K. R.; Johnson, T. D.; Bond, R. A.; Lefkowitz, R. J.: Enhanced myocardial function in transgenic mice overexpressing the β_2 -adrenergic receptor. p582 22 Apr 1994.
- Millasseau, Philippe. See Melki, Judith.
- Miller, L. H. See Sim, B. K. L.
- : Good, Michael F.; Milon, Genevieve: Malaria pathogenesis. p1878 24 June 1994.
- Milon, Genevieve. See Miller, Louis H.
- Minstein, Michael (news): Yellowstone managers eye profits from hot microbes. p655 29 Apr 1994.
- Minsky, Abraham. See Reich, Ziv.
- Misono, Kunio. See Nakaoka, Hideaki.
- Miyazono, Kohel. See ten Dijke, Peter.
- Mizuki, Junichiro. See Hirasawa, Ichiro.
- Moffat, Anne Simon (news): Microbial mining boosts the environment, bottom line. p778 6 May 1994.
- Monnens, Leo A. H. See Deen, Peter M. T.
- Montanari, Alessandro. See Ingram, B. Lynn.
- Moore, James G.; Normark, William R.; Holcomb, Robin T.: Giant Hawaiian underwater landslides (perspective). p46 1 Apr 1994.
- Morell, Virginia (news): An anthropological culture shift. p20 1 Apr 1994. Crane experiment finally perches in Washington State. p1842 24 June 1994. Mystery ailment strikes Serengeti lions. p1404 3 June 1994. Richard Leakey quits post, charges 'smear campaign'. p23 1 Apr 1994. Serengeti's big cats going to the dogs. p1664 17 June 1994. State laws provide a glimpse of the future. p21 1 Apr 1994.
- Morgan, Gary S. See Emslie, Steven D.
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- Morrison, M. See Zielinski, G. A.
- Moss, Tom. See Bazett-Jones, David P.
- Mourou, Gerard. See Perry, Michael D.
- Moy, Vincent T. See Florin, Ernst-Ludwig.
- Moyer, Judith H.; Lee-Tischler, Monica J.; Kwon, Heajoon-Y.; Schrick, Jeffrey J.; Avner, Ellis D.; Sweeney, William E.; Godfrey, Virginia L.; Cacheiro, Nestor L. A.; Wilkinson, J. Erby; Woychik, Richard P.: Candidate gene associated with a mutation causing recessive polycystic kidney disease in mice. p1329 27 May 1994.

- Müller, Alexander. See Hinrichs, Winfried.
- Müller, Stefan C. See Agladze, Konstantin.
- Müller, Ulrike; Steinhoff, Ulrich; Reis, Luiz F. L.; Hemmi, Silvio; Pavlovic, Jovan; Zinkernagel, Rolf M.; Aguet, Michel: Functional role of type I and type II interferons in antiviral defense. p1918 24 June 1994.
- Mulligan, Richard C. See Dranoff, Glenn.
- Multon, Marie-Christine. See Fath, Isabelle.
- Munnich, Arnold. See Melki, Judith.
- Murshudov, Garib N. See Tame, Jeremy R. H.
- N-P**
- Nadal-Ginard, Bernardo. See Schneider, Jay W.
- Nakamura, Yukio and Nakauchi, Hiromitsu: A truncated erythropoietin receptor and cell death: a reanalysis (technical comment). p588 22 Apr 1994.
- Nakauchi, Hideaki; Perez, Dianne M.; Baek, Kwang Jin; Das, Tanya; Husain, Ahsan; Misono, Kunio; Im, Mie-Jae; Graham, Robert M.: G_i a GTP-binding protein with transglutaminase activity and receptor signaling function. p1593 10 June 1994.
- Nakachi, Hiromitsu. See Nakamura, Yukio.
- Nakayama, Katsutoshi. See Kimura, Tohru.
- Nam, Seung-II. See Stein, Ruediger.
- Nancarrow, J. K.; Kremer, E.; Holman, K.; Eyre, H.; Doggett, N. A.; Le Paslier, D.; Callen, D. F.; Sutherland, G. R.; Richards, R. L.: Implications of FRA16A structure for the mechanism of chromosomal fragile site genesis. p1938 24 June 1994.
- Nasioulas, Georgios. See Campbell, Mel.
- Nathan, B. P.; Bellotti, S.; Sanan, D. A.; Weisgraber, K. H.; Mahley, R. W.; Pitas, R. E.: Differential effects of apolipoproteins E3 and E4 on neuronal growth in vitro. p850 6 May 1994.
- Nee, Sean and Harvey, Paul H.: Getting to the roots of flowering plant diversity (perspective). p1549 10 June 1994.
- Neelin, J. David. See Jin, Fei-Fei.
- ; and Marotzke, Jochem: Representing ocean eddies in climate models (perspective). p1099 20 May 1994.
- Neely, John D. See Marsh, David G.
- Neil, Teresa K. See Tame, Jeremy R. H.
- Nelson, Neal. See Chiu, Nancy.
- Neukam, G. See Belton, M. J. S.
- Newman, Paul A.: Antarctic total ozone in 1958. p543 22 Apr 1994.
- Newsome, William T. See Salzman, C. Daniel.
- Nichols, R. H., Jr. See Bernatowicz, T. J.
- Nichols, Rodney W.: review of *Prometheus Bound*, by John Ziman. p983 13 May 1994.
- Nieto, M. Angela; Sargent, Michael G.; Wilkinson, David G.; Cooke, Jonathan: Control of cell behavior during vertebrate development by Slug, a zinc finger gene. p835 6 May 1994.
- Nikaido, Hiroshi: Prevention of drug access to bacterial targets: permeability barriers and active efflux. p382 15 Apr 1994.
- Nilsen, Timothy W.: Unusual strategies of gene expression and control in parasites (perspective). p1868 24 June 1994.
- Niu, Liwen. See Smith, Janet L.
- Noguchi, Minoru. See Sato, Kenji.
- Norman, Colin and Koshland, Daniel E. Jr.: Science in Russia (editorial). p1235 27 May 1994.
- Normark, William R. See Moore, James G.
- Normile, Dennis (news): Deep-trench research waits on balky Japanese submersible. p199 8 Apr 1994. Japan holds firm to shaky science. p1656 17 June 1994.
- Novogrodsky, Abraham; Vanichkin, Alexey; Patya, Miriam; Gazit, Aviv; Osherov, Nir; Levitzki, Alexander: Prevention of lipopolysaccharide-induced lethal toxicity by tyrosine kinase inhibitors. p1319 27 May 1994.
- Nowak, Rachael (news): Beta-carotene: helpful or harmful? p500 22 Apr 1994. Fire threatens Galápagos tortoises. p651 29 Apr 1994. Flesh-eating bacteria: not new, but still worrisome. p1665 17 June 1994. Ignorance is not bliss. p1538 10 June 1994. Key study unveiled—11 years late. p196 8 Apr 1994. New cell transplants may mend a broken heart. p31 1 Apr 1994. A new test gives early warning of a growing killer. p1847 24 June 1994. Problems in clinical trials go far beyond misconduct. p1538 10 June 1994. Teething problems for two innovations. p1540 10 June 1994. Was safer cigarette research snuffed? p766 6 May 1994. (frontiers in biotechnology): Hungary sees an improvement in penicillin resistance. p364 15 Apr 1994. (letter): Elephant man's disease. p188 8 Apr 1994.
- Nuss, Donald L. See Chen, Baoshan.
- Nussbaum, Ofer. See Broder, Christopher C.
- Nye, Mary Jo: review of *Histoire de la Chimie*, by Bernadette Bensaude-Vincent and Isabelle Stengers; *Ideas in Chemistry*, by David Knight; *The History of Chemistry*, by John Hudson; and *The Norton History of Chemistry*, by William H. Brock. p997 13 May 1994.
- O'Brien, Claire (news): Lucky break for kidney disease gene. p1844 24 June 1994. Quantity no longer counts in Britain. p1840 24 June 1994.
- O'Connor, Michael B. See Shimell, Mary Jane.
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- ODP Leg 152 Scientific Party. See Larsen, H. C.
- Oerlemans, Johannes: Quantifying global warming from the retreat of glaciers. p243 8 Apr 1994.
- Oki, Naohiko. See Sato, Kenji.
- Olwin, Bradley B. See Fallon, John F.
- O'Neill, Graeme (news): Cemetery reveals complex aboriginal society. p1403 3 June 1994.
- Oreskes, Naomi; Beltz, Kenneth; Shrader-Frechette, Kristin: The meaning of models (letter). p329 15 Apr 1994.
- Osherov, Nir. See Novogrodsky, Abraham.
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- Paolella, David N.; Palmer, C. Rodgers; Schepartz, Alanna: DNA targets for certain bZIP proteins distinguished by an intrinsic bend. p1130 20 May 1994.
- Pardoll, Drew. See Huang, Alex Y. C.
- Parkhurst, Susan M. and Meneely, Philip M.: Sex determination and dosage compensation: lessons from flies and worms. p924 13 May 1994.
- Parlett, L. C. See Buckingham, A. D.
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- Patience, Clive; McKnight, Aine; Clapham, Paul R.; Boyd, Mark T.; Weiss, Robin A.; Schulz, Thomas F.: CD26 antigen and HIV fusion? (technical comment). p1159 20 May 1994.
- Patya, Miriam. See Novogrodsky, Abraham.
- Pauly, Philip J.: review of *Lords of the Fly*, by Robert E. Kohler. p445 15 Apr 1994.
- Pavakis, George N. See Campbell, Mel.
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- Pearlman, J. A. See Fu, Y.-H.
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- ; Sawaya, Michael R.; Kumar, Amalendra; Wilson, Samuel H.; Kraut, Joseph: Structures of ternary complexes of rat DNA polymerase β , a DNA template-primer, and ddCTP. p1891 24 June 1994.
- Pendleton, G. N. See Fishman, G. J.
- Penninger, Josef. See Kimura, Tohru.
- Perez, Dianne M. See Nakauchi, Hideaki.
- Perez, Edith A. See Hallstone, Ann E.
- Perez, Joe: Women in science: cultural comparisons (letter). p1238 27 May 1994.
- Perkins, Thomas T.; Quake, Stephen R.; Smith, Douglas E.; Chu, Steven: Relaxation of a single DNA molecule observed by optical microscopy. p822 6 May 1994.
- Perkins, Thomas T.; Smith, Douglas E.; Chu, Steven: Direct observation of tube-like motion of a single polymer chain. p819 6 May 1994.
- Perry, Michael D. and Mourou, Gerard: Terawatt to petawatt subpicosecond lasers. p917 13 May 1994.
- Perryman, B. B. See Fu, Y.-H.
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- Pfeiffer, L. N. See Hess, H. F.
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- Phol, Fritz: DNA handedness (letter). p1519 10 June 1994.
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- Pinholster, Ginger (news): AIDS paper triggers a murder charge. p197 8 Apr 1994.
- Pinto, Lawrence H. See Takahashi, Joseph S. See also Vitaterna, Martha Hotz.
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- Planelles, Vicente. See Camerini, David.
- Plomin, Robert; Owen, Michael J.; McGuffin, Peter: The genetic basis of complex human behaviors. p1733 17 June 1994.
- Pohl, Christoph. See Renner, Christoph.
- Polchow, Cynthia Y. See Gurney, Mark E.
- Policansky, David: review of *Antarctic Fish and Fisheries*, by Karl-Hermann Kock. p1002 13 May 1994, and *Antarctic Fish Biology*, by Joseph T. Eastman. p1002 13 May 1994, and *History and Atlas of the Fishes of the Antarctic Ocean*, by Richard Gordon Miller. p1002 13 May 1994.
- Pollock, Susan: review of *The Unruh World System*, by Guillermo Alzate. p1481 3 June 1994.
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- Poquet, Yannick. See Constant, Patricia.
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- Postlethwait, John H.; Johnson, Stephen L.; Midson, Clare N.; Talbot, William S.; Gates, Michael; Ballinger, Eric W.; Africa, Dana; Andrews, Rebecca; Carl, Tim; Eisen, Judith S.; Horne, Sally; Kimmel, Charles B.; Hutchinson, Mark; Johnson, Michele; Rodriguez, Andre: A genetic linkage map for the zebrafish. p699 29 Apr 1994.
- Powell, Christine A.; Bollinger, G. A.; Chapman, Martin C.; Sibol, Matthew S.; Johnston, Arch C.; Wheeler, Russell L.: A seismotectonic model for the 300-kilometer-long eastern Tennessee seismic zone. p686 29 Apr 1994.
- Powell, Douglas (news): Report condemns pressure to publish. p1662 17 June 1994.
- Prassides, Kosmas. See Hiroswa, Ichiro.
- Preuss, Daphne; Rhee, Seung Y.; Davis, Ronald W.: Tetrad analysis possible in *Arabidopsis* with mutation of the QUARTET (QRT) genes. p1458 3 June 1994.
- Proffy, Albert T. See Ghiara, Jayant B.
- Prudent, James R.; Uno, Tetsuo; Schultz, Peter G.: Expanding the scope of RNA catalysts. p1924 24 June 1994.
- Prusiner, Stanley B. See Cohen, Fred E.
- Pu, Haifeng. See Gurney, Mark E.
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- Puzo, Germain. See Constant, Patricia.
- Q and R**
- Qiu, Di; Kumar, Manoj; Ragsdale, Stephen W.; Spiro, Thomas G.: Nature's carbonylation catalyst: Raman spectroscopic evidence that carbon monoxide binds to iron, not nickel, in CO dehydrogenase. p817 6 May 1994.
- Quake, Stephen R. See Perkins, Thomas T.
- Quigg, Chris: review of *Conceptual Foundations of Modern Particle Physics*, by Robert E. Marshak. p1952 24 June 1994. See also Cahn, Robert N.
- Quinones, Miguel and Zeiger, Eduardo: A putative role of the xanthophyll, zeaxanthin, in blue light photoreception of corn coleoptiles. p558 22 Apr 1994.
- Raff, Martin C.: Cell death genes: *Drosophila* enters the field (perspective). p668 29 Apr 1994.
- Ragsdale, Stephen W. See Qiu, Di.
- Rajaratnam, Krishnakumar; Sykes, Brian D.; Kay, Cyril M.; Dewald, Beatrice; Geiser, Thomas; Baggolini, Marco; Clark-Lewis, Ian: Neutrophil activation by monomeric interleukin-8. p901 1 Apr 1994.
- Rakestraw, David J. See Germann, Geoffrey J.
- Ramesh, R. See Jin, S.
- Ramsay, Alistair J.; Husband, Alan J.; Ramshaw, Ian A.; Bao, Shisan; Matthaei, Klaus L.; Koehler, Georges; Kopf, Manfred: The role of interleukin-6 in mucosal IgA antibody responses in vivo. p561 22 Apr 1994.
- Ramshaw, Ian A. See Ramsay, Alistair J.
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- Random Samples: Acupuncture: stuck on the fringe. p770 6 May 1994. Allergy gene nothing to sneeze at. p1533 10 June 1994. Antibody marker flags future diabetics. p1669 17 June 1994. Brazil debates R&D funding priorities. p1254 27 May 1994. Bringing home the bacon. p1398 3 June 1994. Bugs are sweet on crop waste. p657 29 Apr 1994. Canada-France EMF study inconclusive. p205 8 Apr 1994. Cold fusion reproduced—on paper. p771 6 May 1994. Comparative biology. p1669 17 June 1994. The Continental Divide and death delayed. p771 6 May 1994. Crack on the wane in New York. p1398 3 June 1994. Darkness receptor clones. p1851 24 June 1994. De-development in Tasmania. p1254 27 May 1994. DOE lab lives PR nightmare. p1079 20 May 1994.

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 Reich, Ziv; Wachtel, Ellen J.; Minsky, Abraham: Liquid-crystalline mesophases of plasmid DNA in bacteria. p1460 3 June 1994.
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 Schnur, J. M.; Ratna, B. R.; Selinger, J. V.; Singh, A.; Jyothi, G.; Easwaran, K. R. K.: Diacyrenic lipid tubules: experimental evidence for a chiral molecular architecture. p945 13 May 1994.
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- search for EPA research chief ends. p335 15 Apr 1994. A Maryland motif for biotech ventures. p1071 20 May 1994. Mystery lobby backs Pittsburgh's Fisher. p647 29 Apr 1994. Mystery virus tells donor baboons. p1523 10 June 1994. NIH advisers find advice isn't wanted. p191 8 Apr 1994. NIH confronts new fraud allegations. p647 29 Apr 1994. NIH hunkers down for more clinical criticism. p1071 20 May 1994. NIH redresses gender-based pay inequities. p191 8 Apr 1994. NSF clears first budget hurdles. p1655 17 June 1994. NSF to firm: leggo my LIGO land. p1523 10 June 1994. ORI ready to rein itself in. p1243 27 May 1994. OSTP looks for diverse scientific help. p19 1 Apr 1994. Panel calls for NIH intramural overhaul. p763 6 May 1994. Pentagon biodefenders seek industry aid. p335 15 Apr 1994. Revised budget bodes ill for space station. p335 15 Apr 1994. Russia could lose valuable research ship. p1391 3 June 1994. Russian environment center seeks boosters. p19 1 Apr 1994. Search committee for Science chief. p1243 27 May 1994. Singer ends libel suit, claims victory. p1391 3 June 1994. Skinner rodents, better toxicology tests? p1243 27 May 1994. Transgenic cotton patent under fire. p495 22 Apr 1994. U.N. set to merge AIDS programs. p1523 10 June 1994. U.S. biotech to seek Asian benefactors. p1523 10 June 1994. U.S. medical isotope plan spirals downward. p191 8 Apr 1994. Varmus prods peers to join review panels. p1391 3 June 1994. Wanted: Low-down breast-cancer gene. p495 22 Apr 1994.
- Seaborg, Glenn T.: Secrecy runs amok (policy forum). p1410 3 June 1994.
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- Silk, Joseph: review of *Black Holes and Time Warps*, by Kip S. Thorne. p999 13 May 1994.
- Silver, Lee M.: review of *Molecular Genetics of Sex Determination*, edited by Stephen S. Wachtel. p116 1 Apr 1994.
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- Sim, B. K. L.; Chirnis, C. E.; Wasniowska, K.; Hadley, T. J.; Miller, L. H.: Receptor and ligand domains for invasion of erythrocytes by *Plasmodium falciparum*. p1941 24 June 1994.
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- Singh, A. See Schnur, J. M.
- Singhal, Amit. See Salton, Gerard.
- Singhvi, Rahul; Kumar, Amit; Lopez, Gabriel P.; Stephanopoulos, Gregory N.; Wang, Daniel I. C.; Whitesides, George M.; Ingber, Donald E.: Engineering cell shape and function. p696 29 Apr 1994.
- Sirtori, Carlo. See Faist, Jerome.
- Sites, Jack W., Jr.: review of *Hybrid Zones and the Evolutionary Process*, edited by Richard G. Harrison. p727 29 Apr 1994.
- Sivco, Deborah L. See Faist, Jerome.
- Skatrud, Paul L. See Dantzig, Anne H.
- Skipper, Jonathan. See Cox, Andrea L.
- Skolnick, Mark H. See Kamb, Alexander.
- Slade, Joseph W.: review of *The Literature of Science*, edited by Murdo William MacRae. p980 13 May 1994.
- Slingluff, Craig L., Jr. See Cox, Andrea L.
- Smit, Berend and Siepmann, J. Ilja: Simulating the adsorption of alkanes in zeolites. p1118 20 May 1994.
- Smith, Amos B., III. See Maliszewskyj, Nicholas C.
- Smith, Craig A. See Crowe, Paul D.
- Smith, David L. and Palmer, A. Richard: Effects of manipulated diet on size and performance of brachyuran crab claws. p710 29 Apr 1994.
- Smith, Douglas E. See Perkins, Thomas T. See also Perkins, Thomas T.
- Smith, Janet L.; Zaluzec, Eugene J.; Wery, Jean-Pierre; Niu, Liwen; Switzer, Robert L.; Zalkin, Howard; Satow, Yoshinori: Structure of the allosteric regulatory enzyme of purine biosynthesis. p1427 3 June 1994.
- Smith, Robert W.: review of *Choosing Big Technologies*, edited by Kohn Krige. p293 8 Apr 1994.
- Smith, Stacy C. See De Togni, Pietro.
- Solomon, Arieh. See Eitan, Shoshana.
- Solomon, Sean C. See Simons, Mark.
- Somerville, Richard C. J.: review of *Aerosol-Cloud-Climate Interactions*, edited by Peter V. Hobbs. p115 1 Apr 1994.
- Song, L. See Bunker, B. C.
- Soonpaa, Mark H.; Koh, Gou Young; Klug, Michael G.; Field, Loren J.: Formation of nascent intercalated disks between grafted fetal cardiomyocytes and host myocardium. p98 1 Apr 1994.
- Soyfer, Valery N.: Soros support for science education in the former Soviet Union (policy forum). p1281 27 May 1994.
- Spezzaferri, S. See Larsen, H. C.
- Spiro, Thomas G. See Qiu, Di.
- Sporn, Michael B. See Letterior, John J.
- Sportsman, J. Richard. See Dantzig, Anne H.
- Spratt, Brian G.: Resistance to antibiotics mediated by target alterations. p388 15 Apr 1994.
- Srinivasan, Rajagopal. See Aurora, Rajeev.
- Srinivasan, Subhashini. See Grabstein, Kenneth H.
- Stanfield, Robyn L. See Ghara, Jayant B.
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- Stastny, Peter. See Tomfohrde, James.
- Stefani, Enrico. See Sigg, Daniel.
- Steffen, Martin A.; Lao, Kaiqin; Boxer, Steven G.: Dielectric asymmetry in the photosynthetic reaction center. p810 6 May 1994.
- Stein, Ruediger; Nam, Seung-II; Schubert, Carsten; Vogt, Christoph; Fütterer, Dieter; Heinemeier, Jan: The last deglaciation event in the eastern central Arctic Ocean. p692 29 Apr 1994.
- Steinberg, D. J. See Ray, R. D.
- Steinberg, Suzi. See Idziak, Stefan H. J.
- Steinhoff, Ulrich. See Müller, Ulrike.
- Steller, Hermann. See White, Kristin.
- Stephanopoulos, Gregory N. See Singhvi, Rahul.
- Sterman, John D.: The meaning of models (letter). p330 15 Apr 1994.
- Stevens, Jane E. (news): Model programs take aim at HIV rates in Indonesia. p24 1 Apr 1994.
- Sticht, H. See Willbold, D.
- Stockert, Elisabeth. See Kamb, Alexander.
- Stokoe, David; Macdonald, Susan G.; Cadwallader, Karen; Symons, Marc; Hancock, John F.: Activation of Raf as a result of recruitment to the plasma membrane. p1463 3 June 1994.
- Stone, Anne. See Handt, Oliva.
- Stone, Lewi. See Teiperman, Eli.
- Stone, Richard. (news): Arsenic and the unborn. p204 8 Apr 1994. A call for better science. p1253 27 May 1994. EPA weighs plan to realign labs. p1077 20 May 1994. Post-polio syndrome: remembrance of viruses past. p909 13 May 1994. Study implicates second-hand smoke. p30 1 Apr 1994. Substitute fat, not safety. p204 8 Apr 1994. (frontiers in biotechnology): Search for sepsis drugs goes on despite past failures. p365 15 Apr 1994. Sepsis: an immune system gone haywire. p365 15 Apr 1994. (science in Russia): Space station: a marriage of convenience. p1272 27 May 1994. A world-class community, scattered around the world. p1275 27 May 1994.
- Strauss, François. See Gaillard, Claire.
- Strauss-Schoenberger, Jena. See De Togni, Pietro.
- Streeter, Philip R. See De Togni, Pietro.
- Stura, Enrico A. See Ghara, Jayant B.
- Suda, Kitaru. See Suzuki, Carolyn K.
- Sufit, Robert L. See Gurney, Mark E.
- Suh, Woong-Kyung; Cohen-Doyle, Myrna F.; Fruh, Klaus; Wang, Kena; Peterson, Per A.; Williams, David B.: Interaction of MHC class I molecules with the transporter associated with antigen processing. p1322 27 May 1994.
- Sun, T. See Aguilar, F.
- Sutherland, G. R. See Nancarrow, J. K.
- Suwa, G. See Clark, J. D.
- Suzuki, Carolyn K.; Suda, Kitaru; Wang, Nan; Schatz, Gottfried: Requirement for the yeast gene LON in intramitochondrial proteolysis and maintenance of respiration. p273 8 Apr 1994.
- Suzuki, Nobuhiro; Cheung, Tobun T.; Cai, Xiao-Dan; Odaka, Asano; Otvos, Laszlo, Jr.; Eckman, Christopher; Golde, Todd E.; Younkun, Steven G.: An increased percentage of long amyloid β protein secreted by familial amyloid β protein precursor (BAPP₇₁₇) mutants. p1336 27 May 1994.
- Sweeney, Jeffrey S. See Heinz, Dion L.
- Sweeney, William E. See Moyer, Judith H.
- Switzer, Jay A.; Hung, Chen-Jen; Bryefogle, Bryan E.; Shumsky, Mark G.; Van Leeuwen, Robert; Golden, Teresa D.: Electrodeposited defect chemistry superlattices. p1573 10 June 1994.
- Switzer, Robert L. See Smith, Janet L.
- Sykes, Brian D. See Rajarathnam, Krishnakumar.
- Sykes, Bryan. See Handt, Oliva.
- Symons, Marc. See Stokoe, David.

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- Tabas, Linda B. See Dantzig, Anne H.
- Tabony, James: Morphological bifurcations involving reaction-diffusion processes during microtubule formation. p245 8 Apr 1994.
- Tagliatela, Maurizio; Wible, Barbara A.; Caporaso, Roberta; Brown, Arthur M.: Specification of pore properties by the carboxyl terminus of inwardly rectifying K⁺ channels. p844 6 May 1994.
- Takahashi, Joseph S.; Pinto, Lawrence H.; Vitaterna, Martha Hotz: Forward and reverse genetic approaches to behavior in the mouse. p1724 17 June 1994.
- Takahashi, Joseph S. See Vitaterna, Martha Hotz.
- Talbot, William S. See Postlethwait, John H.
- Tame, Jeremy R. H.; Murshudov, Garib N.; Dodson, Eleanor J.; Neil, Teresa K.; Dodson, Guy G.; Higgins, Christopher F.; Wilkinson, Anthony J.: The structural basis of sequence-independent peptide binding by OppA protein. p1578 10 June 1994.
- Tanaka, Nobuyuki. See Kimura, Tohru.

- Tananbaum, Harvey: Space science crunch (letter). p186 8 Apr 1994.
- Tanigaki, Katsumi. See Hiroasawa, Ichiro.
- Taniguchi, Tadatsugu. See Kimura, Tohru.
- Tarasevich, B. J. See Bunker, B. C.
- Tarter, C. Bruce: Livermore lab head (letter). p489 22 Apr 1994.
- Taubes, Gary (news): Breast cancer link claimed, criticized. p1658 17 June 1994. How to make a prime cut. p776 6 May 1994. A new laser promises to put an end to band gap slavery. p508 22 Apr 1994. Pesticides and breast cancer: no link? p499 22 Apr 1994. Physicists watch global change mirrored on the moon. p1529 10 June 1994. Small army of code-breakers conquers a 129-digit giant. p776 6 May 1994. Young physicists hear Wall Street calling. p22 1 Apr 1994.
- Tavtigian, Sean V. See Kamb, Alexander.
- ten Dijke, Peter; Yamashita, Hidetoshi; Ichijo, Hidenori; Fanzen, Petra; Laiho, Marikki; Miyazono, Kohji; Keldin, Carl-Henrik: Characterization of type I receptors for transforming growth factor- β and activin. p101 1 Apr 1994.
- Terms, Michael P. and Dahlberg, James E.: Retention and 5' cap trimethylation of U3 snRNA in the nucleus. p959 13 May 1994.
- Thaler, David S.: The evolution of genetic intelligence (perspective). p224 8 Apr 1994.
- Therien, Michael J. See Lin, Victor S.-Y.
- Thomas, G. A. See Iwasa, Y.
- Thomas, James H.: The mind of a worm (perspective). p1698 17 June 1994.
- Thompson, W. R. See Belton, M. J. S.
- Thornley, Michael L.: Beef quality (letter). p15 1 Apr 1994.
- Tiefel, T. H. See Jin, S.
- Tjian, Robert. See Verrijzer, C. Peter.
- Tobin, John B. See Frey, Perry A.
- Tocqué, Bruno. See Fath, Isabelle.
- Tolbert, Margaret A.: Sulfate aerosols and polar stratospheric cloud formation (perspective). p527 22 Apr 1994.
- Tomfohrde, James; Silverman, Alan; Barnes, Robert; Fernandez-Vina, Marcelo A.; Young, Melodie; Lory, Detra; Morris, Laura; Wuepper, Kirk D.; Stastny, Peter; Menter, Alan; Bowcock, Anne: Gene for familial psoriasis susceptibility mapped to the distal end of human chromosome 17q. p1141 20 May 1994.
- Tomkinson, J. See Kearley, G. J.
- Toole, John M.; Polzin, Kurt L.; Schmitt, Raymond W.: Estimates of diapycnal mixing in the abyssal ocean. p1120 20 May 1994.
- Tovar, Karlheinz. See Hinrichs, Winfried.
- Travis, John. (news): Building a baby brain in a robot. p1080 20 May 1994. Buying time: a buzz about a GNAT. p348 15 Apr 1994. Case closed for a giant black hole. p1405 3 June 1994. Dying stars give galactic theory new life. p906 13 May 1994. Hints of first amino acid outside solar system. p1668 17 June 1994. Optics and x-rays: a marriage made in heaven. p349 15 Apr 1994. Other planets, other searches. p506 22 Apr 1994. Pulsing star confirms more planets in the universe. p506 22 Apr 1994. Report: all's fair in NSF major awards. p196 8 Apr 1994. Star writes its own history. p1668 17 June 1994. Telescopes turn liquid. p348 15 Apr 1994. (frontiers in biotechnology): Reviving the antibiotic miracle? p360 15 Apr 1994.
- Treisman, Michel: Population policy options (letter). p760 6 May 1994.
- Trommsdorff, Marion. See Handt, Oliva.
- Trueb, Lucien F.: Fire and ice... and worms? (letter). p1068 20 May 1994.
- Trümper, Lorenz. See Renner, Christoph.
- Tschamtké, Teja. See Krüss, Andreas.
- Tsien, Richard W. See Wheeler, David B.
- Turek, Fred W. See Vitaterna, Martha Hotz.
- Turriano, Gina; Abbott, L. F.; Marder, Eve: Activity-dependent changes in the intrinsic properties of cultured neurons. p974 13 May 1994.
- Tuttle, Russell H.: review of *The Great Ape Project*, edited by Paola Cavalieri and Peter Singer. p602 22 Apr 1994.
- Twickler, M. S. See Zielinski, G. A.
- Tycko, R. See Iwasa, Y.
- Ziperman, Eli; Stone, Lewi; Cane, Mark A.; Jarosh, Hans: El Niño chaos: overlapping of resonances between the seasonal cycle and the Pacific ocean-atmosphere oscillator. p72 1 Apr 1994.
- Vaknin, D. See Wang, Z.-R.
- Van de Water, P. K.; Leavitt, S. W.; Betancourt, J. L.: Trends in stomatal density and $^{13}\text{C}/^{12}\text{C}$ ratios of *Pinus flexilis* needles during last glacial-interglacial cycle. p239 8 Apr 1994.
- van den Berg, Arie P. See van Keken, Peter E.
- van Huffel, Christophe. See Beutler, Bruce.
- van Keken, Peter E.; Yuen, David A.; van den Berg, Arie P.: Implications for mantle dynamics from the high melting temperature of perovskite. p1437 3 June 1994.
- Van Leeuwen, Robert. See Switzer, Jay A.
- van Lier, René. See Renner, Christoph.
- van Oost, Bernard A. See Deen, Peter M. T.
- van Os, Carel H. See Deen, Peter M. T.
- VanArsdale, Todd L. See Crowe, Paul D.
- Vanichkin, Alexey. See Novogrodsky, Abraham.
- Varmus, Harold: NIH R&D priorities (letter). p1649 17 June 1994.
- Vayenas, C. G. See Jiang, Y.
- Verdijk, Marian A. J. See Deen, Peter M. T.
- Verrijzer, C. Peter; Yokomori, Kyoko; Chen, Jin-Long; Tjian, Robert: *Drosophila* TAF₁₅₀: similarity to yeast gene TSM-1 and specific binding to core promoter DNA. p933 13 May 1994.
- Veverka, J. See Belton, M. J. S.
- Vickrey, Barbara G. See Berg, Anne T.
- Vieth, H.-M. See Rugar, D.
- Vilček, Jan. See Kimura, Tohru.
- Villafraña, Joseph. See Adman, Elinor.
- Viovy, Jean-Louis and Duke, Thomas: Solid friction and polymer relaxation in gel electrophoresis (technical comment). p112 1 Apr 1994.
- Virden, J. W. See Bunker, B. C.
- Vitaterna, Martha Hotz; King, David P.; Chang, Anne-Marie; Kornhauser, Jon M.; Lowrey, Philip L.; McDonald, J. David; Dove, William F.; Pinto, Lawrence H.; Turek, Fred W.; Takahashi, Joseph S.: Mutagenesis and mapping of a mouse gene, *Clock*, essential for circadian behavior. p719 29 Apr 1994. See also Takahashi, Joseph S.
- Vlassov, Vasily Victorovich: Polio in Russia (letter). p1517 10 June 1994.
- Vogt, Christoph. See Stein, Ruediger.
- Voss, David F.: review of *No Ordinary Genius*, edited by Christopher, Sykes, and *The Beat of a Different Drum*, by Jagdish Mehra. p1617 10 June 1994.
- Vrba, E. See Clark, J. D.
- Wachtel, Ellen J. See Reich, Ziv.
- Wagner, Gerhard. See Krezel, Andrzej M.
- Wainwright, D. S. See Li, Wu.
- Walker, Scott. See Chiruvolu, Shivkumar.
- Wallace, Margaret R.: Elephant man's disease (letter). p188 8 Apr 1994.
- Walsh, Dominic; Hopwood, Jeremy D.; Mann, Stephen: Crystal tectonics: construction of reticulated calcium phosphate frameworks in bicontinuous reverse microemulsions. p1576 10 June 1994.
- Walsh, Thomas J. See Georgopadakou, Nafsika H.
- Walter, Barbara N. See Crowe, Paul D.
- Walter, R. C. See Clark, J. D.
- Wang, Daniel I. C. See Singhi, Rahul.
- Wang, Kena. See Suh, Woong-Kyung.
- Wang, L. See Alfano, R. R.
- Wang, Nan. See Suzuki, Carolyn K.
- Wang, X.-L. See Wang, Z.-R.
- Wang, Z.-R.; Wang, X.-L.; Fernandez-Baca, J. A.; Johnston, D. C.; Vaknin, D.: Antiferromagnetic ordering and paramagnetic behavior of ferromagnetic Cu_2 and Cu_{18} clusters in BaCuO_{2+x} . p402 15 Apr 1994.
- Ward, Sally L. Davidson. See Keens, Thomas G.
- Wardle, David A.: Statistical analyses of soil quality (technical comment). p281 8 Apr 1994.
- Ware, Carl F. See Crowe, Paul D.
- Warriner, Heidi E. See Idziak, Stefan H. J.
- Wasniewska, K. See Sim, B. K. L.
- Watson, James D. See Grabstein, Kenneth H.
- and Sher, Gerson S.: Does research in the former Soviet Union have a future? (policy forum). p1280 27 May 1994.
- Weaver-Feldhaus, Jane. See Kamb, Alexander.
- Webb, S. David: review of *Biological Relationships Between Africa and South America*, edited by Peter Goldblatt. p601 22 Apr 1994.
- Wei, W. See Larsen, H. C.
- Weinbach, Susan P.; Kjaer, Kristian; Bouwman, Wim G.; Grubel, Gerhard; Legrand, Jean-François; Als-Nielsen, Jens; Lahav, Meir; Leiserowitz, Leslie: Control of structure and growth of polymorphic crystalline thin films of amphiphilic molecules on liquid surfaces. p1566 10 June 1994.
- Weisgraber, K. H. See Nathan, B. P.
- Weiss, Arthur. See Chan, Andrew C. See also Elder, Melissa E.
- Weiss, Jeffrey B. See McWilliams, James C.
- Weiss, Robin A.: review of *Reverse Transcriptase*, edited by Anna Marie Skalka and Stephen P. Goff. p1954 24 June 1994. See also Patience, Clive.
- Weissenbach, Jean. See Melki, Judith.
- Weissmann, Charles: The prion connection: now in yeast? (perspective). p528 22 Apr 1994.
- Welch, Paul D.: review of *Archaeology of Precolumbian Florida*, by Jerald T. Milanich. p1024 13 May 1994.
- Wells, Eddie. See Hapke, Bruce.
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- Wennberg, John E. and Barry, Michael J.: Outcomes research (letter). p758 6 May 1994.
- Wery, Jean-Pierre. See Smith, Janet L.
- West, K. W. See Hess, H. F.
- Wheeler, David B.; Randall, Andrew; Tsien, Richard W.: Roles of N-type and Q-type Ca^{2+} channels in supporting hippocampal synaptic transmission. p107 1 Apr 1994.
- Wheeler, Russell L. See Powell, Christine A.
- White, Kristin; Grether, Megan E.; Abrams, John M.; Young, Lynn; Farrell, Kim; Steller, Hermann: Genetic control of programmed cell death in *Drosophila*. p677 29 Apr 1994.
- White, Robert M.: NIST: what's in a name? (letter). p1652 17 June 1994.
- White, T. D. See Clark, J. D.
- Whitesides, George M. See Singhi, Rahul.
- Whitlow, S. See Zielinski, G. A.
- Whitsett, Jeffrey A. See Dranoff, Glenn.
- Whitt, Sean A. See Frey, Perry A.
- Wible, Barbara A. See Tagliatella, Maurizio.
- Wickner, Reed B.: [URE3] as an altered URE2 protein: evidence for a prion analog in *Saccharomyces cerevisiae*. p566 22 Apr 1994.
- Wieringa, B. See Deen, Peter M. T.
- Wiesel, Torsten N.: Genetics and behavior (editorial). p1647 17 June 1994.
- Wilkinson, Anthony J. See Tame, Jeremy R. H.
- Wilkinson, David G. See Nieto, M. Angela.
- Wilkinson, J. Erby. See Moyer, Judith H.
- Willbold, D.; Rosin-Arbesfeld, R.; Sticht, H.; Frank, R.; Rösch, P.: Structure of the equine infectious anemia virus Tat protein. p1584 10 June 1994.
- Willert, Walter C.: Diet and health: what should we eat? p532 22 Apr 1994.
- Williams, David B. See Suh, Woong-Kyung.
- Williams, David F. and Porter, Sanford D.: Fire ant control (letter). p1653 17 June 1994.
- Williams, Quentin. See Heinz, Dion L.
- Willnow, Thomas E.; Sheng, Zeqi; Ishibashi, Shun; Herz, Joachim: Inhibition of hepatic chylomicron remnant uptake by gene transfer of a receptor antagonist. p1471 3 June 1994.
- Wilson, Ian A. See Ghiara, Jayant B.
- Wilson, R. B. See Fishman, G. J.
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- Winograd, Nicholas. See Brummel, Christopher L.
- Witte, Owen N. See Afar, Daniel E. H.
- WoldeGabriel, G. See Clark, J. D.
- Wolffe, Alan P.: Architectural transcription factors (perspective). p1100 20 May 1994.
- Wolszczan, Alexander: Confirmation of Earth-mass planets orbiting the millisecond pulsar PSR B1527 + 12. p538 22 Apr 1994.
- Woychik, Richard P. See Moyer, Judith H.
- Wu, Chun-Guey and Bein, Thomas: Conducting polyaniline filaments in a mesoporous channel host. p1757 17 June 1994.
- Wu, Ling Juan and Errington, Jeffrey: *Bacillus subtilis* SpoIIIE protein required for DNA segregation during asymmetric cell division. p572 22 Apr 1994.
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- Xu, Li. See Middlebrooks, John C.
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- Yavneh, Irad. See McWilliams, James C.
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 Yodanis, Peter: review of *Games of Life*, by Karl Sigmund. p294 8 Apr 1994.
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 Young, T. Cuyler, Jr.: review of *Early Stages in the Evolution of Mesopotamian Civilization*, edited by Normal Yoffee and Jeffrey J. Clark. p1349 27 May 1994.
 Younker, Jean L. and Boak, Jeremy M: Geological models (letter). p1065 20 May 1994.
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 Zenderland, Leila: review of *Science of Coercion*, by Christopher Simpson. p992 13 May 1994.
 Zeng, Fan-Gang and Shannon, Robert V.: Loudness-coding mechanisms inferred from electric stimulation of the human auditory system. p564 22 Apr 1994.
 Zerr, A. See Boehler, R.
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 Zhong, Zhong; Wen, Zilong; Darnell, James E., Jr.: Stat3: a STAT family member activated by tyrosine phosphorylation in response to epidermal growth factor and interleukin-6. p95 1 Apr 1994.
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 Zielinski, G. A.; Mayewski, P. A.; Meeker, L. D.; Whitlow, S.; Twickler, M. S.; Morrison, M.; Meese, D. A.; Gow, A. J.; Alley, R. B.: Record of volcanism since 7000 B.C. from the GISP2 Greenland ice core and implications for the volcano-climate system. p948 13 May 1994.
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